Earth Science

A High Performance, Onboard Multicore Intelligent Payload Module for Orbital and Suborbital Remote Sensing Missions

Completed Technology Project (2012 - 2015)

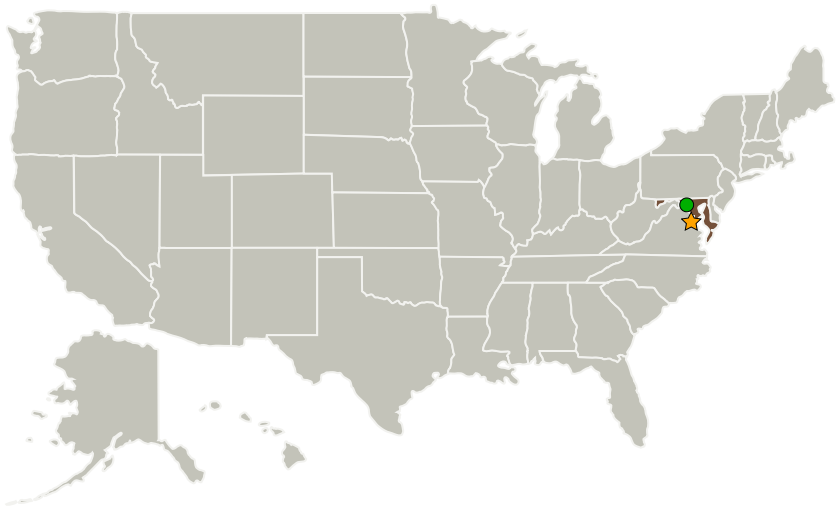
Project Introduction

N/A

Anticipated Benefits

N/A

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia
●Goddard Space Flight Center(GSFC)	Supporting Organization	NASA Center	Greenbelt, Maryland

Primary U.S. Work Locations
Maryland

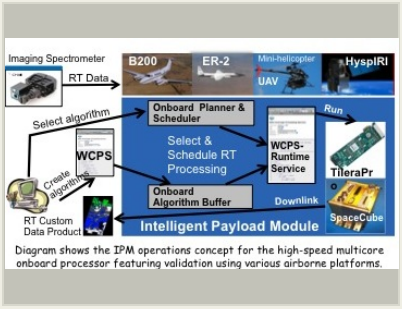


Diagram shows the IPM operations concept for the high-speed multicore onboard processor featuring validation using various airborne platforms.

Project Image A High Performance, Onboard Multicore Intelligent Payload Module for Orbital and Suborbital Remote Sensing Missions

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Images

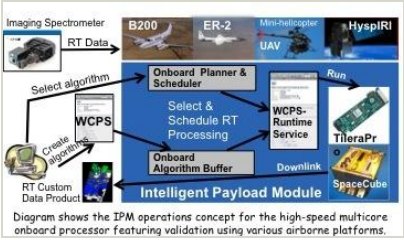


Diagram shows the IPM operations concept for the high-speed multicore onboard processor featuring validation using various airborne platforms.

11032-1360177471014.jpg
Project Image A High Performance, Onboard Multicore Intelligent Payload Module for Orbital and Suborbital Remote Sensing Missions
(https://techport.nasa.gov/image/1604)

Organizational Responsibility

Responsible Mission Directorate:
Science Mission Directorate (SMD)

Lead Center / Facility:
NASA Headquarters (HQ)

Responsible Program:
Earth Science

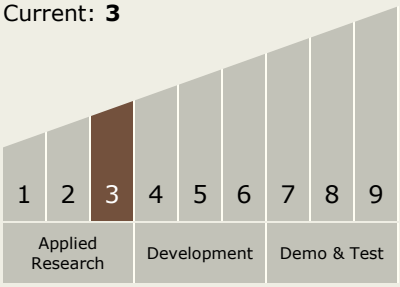
Project Management

Program Director:
George J Komar

Principal Investigator:
Daniel J Mandl

Technology Maturity (TRL)

Start: **3**
Current: **3**



Technology Areas

Primary:

Continued on following page.

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Completed Technology Project (2012 - 2015)

Technology Areas *(cont.)*

- TX08 Sensors and Instruments
  - TX08.1 Remote Sensing Instruments/Sensors
    - TX08.1.2 Electronics

Target Destination

Earth